

CLAIMS

We claim:

1. Apparatus comprising:

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an automated banking machine including a housing;

a cash dispenser in supporting connection with the housing;

an opening extending in the housing wherein items moving at least one of into and out of the housing move through the opening;

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a gate moveably mounted in supporting connection with the housing and movable between a closed position wherein the gate prevents access from outside the housing into the housing through the opening, and an open position wherein access into the housing is enabled through the opening from outside the housing;

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a bezel in surrounding relation of the opening, wherein the bezel and the gate include at least one interengaging projection and recess, wherein in the closed position of the gate the at least one protection extends in the recess.

2. The apparatus according to claim 1 and further comprising an actuator member including a cam surface thereon, wherein the gate moves between the opened and closed positions responsive to movement of the actuator member.

3. The apparatus according to claim 2 wherein the gate member in moving between the open and closed positions moves generally perpendicular to the actuator member.

4. The apparatus according to claim 3 wherein the banking machine further comprises a transport extending in the machine adjacent the opening, and wherein the transport is bounded by a generally vertically extending side wall, wherein the actuator member is moveably mounted in supporting connection with the side wall.

5. The apparatus according to claim 4 wherein the gate is pivotally mounted in supporting connection with the side wall.

6. The apparatus according to claim 5 wherein the gate is operatively connected to the side wall through at least one pivot, and further comprising a cam follower in operative connection with the gate, wherein the cam follower moves in engagement with the cam surface, and wherein the gate is disposed on a first side of the pivot and the cam follower is disposed on the second side of the pivot opposed of the first side.

7. The apparatus according to claim 6 wherein the cam surface bounds a cam slot extending through the actuator member.

8. The apparatus according to claim 7 wherein the cam slot includes an enlarged cam slot area, wherein the cam follower is enabled to be extended through the cam slot in the enlarged cam slot area, wherein when the cam follower is disposed from the enlarged cam slot area the cam follower is prevented from disengaging from the slot.

9. The apparatus according to claim 6 wherein the bezel includes at least one side wall, wherein the at least one side wall extends in overlying relation of the at least one pivot.

10. The apparatus according to claim 9 wherein the actuator member moves generally horizontally, and wherein the cam surface includes at least two disposed generally horizontally extending end portions and at least one middle portion between the end portions, wherein the gate moves between the open and closed positions as the cam follower engages the at least one middle portion.

11. The apparatus according to claim 8 wherein the actuator member moves generally horizontally, and wherein the cam slot includes two disposed generally horizontally extending end portions and a middle portion between the end portions, wherein the gate moves between the

opened and closed positions as the cam follower moves in the middle portion, and wherein the enlarged cam slot area bounds one of the end portions.

12. The apparatus according to claim 11 and further comprising at least one pin in supporting connection with the side wall, and wherein the actuator member includes at least one actuator slot, wherein the at least one pin extends in the at least one actuator slot and is movable relative thereto, wherein the actuator member moves in supporting connection with the at least one pin as the gate member moves between the opened and closed positions.

13. The apparatus according to claim 12 wherein the at least one actuator slot includes an enlarged actuator slot portion, wherein the at least one pin is enabled to extend through the at least one actuator slot only in the enlarged actuator slot portion and is prevented from disengaging from the actuator slot when the at least one pin is positioned in other than the actuator slot enlarged portion.

14. The apparatus according to claim 13 wherein as the actuator member moves the gate between the open and closed positions the at least one pin does not extend in the actuator slot enlarged portion.

15. The apparatus according to claim 12 wherein the transport comprises at least one roll supported on at least one shaft, wherein the shaft is in supporting connection with the side wall.

16. The apparatus according to claim 15 wherein the side wall includes at least one
5 vertically extending shaft slot, wherein the shaft is moveably mounted in the shaft slot.

17. The apparatus according to claim 16 wherein the transport moves items generally along a first direction, and wherein the at least one projection and recess are elongated in the first direction.

18. The apparatus according to claim 17 wherein the gate includes an inward
10 extending portion, wherein the inward extending portion includes the at least one recess.

19. The apparatus according to claim 18 wherein the at least one projection is in supporting connection with the bezel adjacent a lower side of the opening.

20. The apparatus according to claim 19 wherein the bezel and inward extending portion include a plurality of interengaging projections and recesses.

21. The apparatus according to claim 20 wherein the gate includes an outward extending portion adjacent an upper end thereof, wherein in a closed position of the gate the outward extending portion overlies the opening and extends behind the bezel.

22. The apparatus according to claim 20 and further comprising a deposit envelope holding container in the housing, and wherein the transport extends between the opening and the deposit envelope holding container, whereby the transport moves deposit envelopes toward the deposit envelope holding container.

23. The apparatus according to claim 4 and further comprising a deposit envelope holding container in the housing, and wherein the transport extends between the opening and the deposit envelope holding container, whereby the transport moves deposit envelopes toward the deposit envelope holding container.

24. The apparatus according to claim 22 and further comprising an empty envelope dispenser in the housing operative to dispense empty envelopes, and wherein empty envelopes move in the transport toward the opening.

25. The apparatus according to claim 23 and further comprising an empty envelope dispenser in the housing operative to dispense empty envelopes, and wherein empty envelopes move in the transport toward the opening.

26. The apparatus according to claim 24 and further comprising a gear rack portion in operative connection with the actuator member, wherein the actuator member is movable through the gear rack.

5 27. The apparatus according to claim 26 wherein the transport comprises a platen, wherein the platen includes a plurality of slots, wherein the slots are elongated along the first direction, and further comprising a plurality of sensor members moveably mounted in the slots, whereby items in the transport are enabled to be sensed.

10 28. The apparatus according to claim 15 and further comprising at least one guide in supporting connection with the side wall, and wherein the at least one guide is operative to direct items moving toward the shaft in the transport, below the shaft.

29. The apparatus according to claim 27 and further comprising at least one guide in supporting connection with the side wall, wherein the at least one guide is operative to direct items toward the shaft in the transport, below the shaft.

15 30. The apparatus according to claim 29 and further comprising at least one controller in operative connection with at least one drive, wherein the at least one drive is operative to move the gear rack portion, and wherein the controller is operative to sense power consumption

characteristics of the drive attempting to close the gate, and to cause the drive to move the gate to the open position in response thereto.

31. The apparatus according to claim 1 and further comprising a drive in operative connection with the gate, and at least one controller in operative connection with the drive and wherein the at least one controller is operative to sense the drive encountering resistance in moving the gate towards the closed position, and to cause the gate to open in response thereto.

32. The apparatus according to claim 30 and further comprising at least one illumination device in supporting connection with the bezel, the at least one illumination device being in operative connection with the at least one controller, and wherein the at least one controller is operative to cause the at least one illumination device to be illuminated at least one time when the gate is in the open position.

33. The apparatus according to claim 1 and further comprising at least one controller in the machine, and further comprising at least one illumination device in supporting connection with the bezel, and wherein the at least one controller is operative to control opening and closing the gate and illuminating the at least one illumination device during a time when the gate is in the open position.

34. The apparatus according to claim 32 and further comprising a fascia plate moveably mounted relative to the housing, and wherein the bezel engages the fascia plate.

35. The apparatus according to claim 34 wherein the transport is moveably mounted relative to the housing, and wherein the fascia plate includes a fascia opening, and wherein the fascia plate is in operative connection with at least one fascia guide, and wherein the at least one fascia guide is operative to guide the bezel into the fascia opening when the transport is moved relative to the housing.

36. The apparatus according to claim 35 wherein the fascia plate is movable relative to the housing both vertically and horizontally, and wherein the at least one fascia guide is operative to guide the bezel both vertically and horizontally.

37. The apparatus according to claim 1 and further comprising a fascia plate moveably mounted in supporting connection with the housing, wherein the fascia plate operatively engages the bezel and is moved relative to the housing by such engagement.